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4743 7590 01/23/2009 MARSHALL, GERSTEIN & BORUN LLP			EXAMINER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

### Application No. Applicant(s) 10/516,702 POPP ET AL Office Action Summary Examiner Art Unit WILLIAM K. CHEUNG 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 31 October 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1,4-7,10-16,18,21-23,27,29,30 and 32-34 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) \_\_\_\_\_ is/are allowed. 6) Claim(s) 1,4-7,10-16,18,21-23,27,29,30 and 32-34 is/are rejected. 7) Claim(s) \_\_\_\_\_ is/are objected to. 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some \* c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). \* See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date \_\_\_\_\_\_.

5) Notice of Informal Patent Application

6) Other:

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#### DETAILED ACTION

 In view of the following new issues, the instant application is reopened for prosecution. Claims 2, 3, 8, 9, 17, 19, 20, 24, 25, 28, 31 have been cancelled. Claims 1, 4-7, 10-16, 18, 21-23, 27, 29, 30, 32-34 are pending.

- In view of the argument filed October 31, 2008, the rejection of Claims 1, 4-6 under 35 U.S.C. 102(b) as being anticipated by Matsui et al. (EP 0 777 287 A2), is withdrawn.
- 3. In view of the argument filed October 31, 2008, the rejection of Claims 11-13 under 35 U.S.C. 103(a) as being unpatentable over Barthold et al. (US 5,472,617), is withdrawn. The rejection of Claims 14-16 under 35 U.S.C. 102(b) as being anticipated by Barthold et al. (US 5,472,617), is withdrawn. The rejection of Claims 18, 21-23 under 35 U.S.C. 102(b) as anticipated by Barthold et al. (US 5,472,617), is withdrawn. Further, the rejection of Claims 26, 27, 29, 30, 32-34 under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Barthold et al. (US 5,472,617), is withdrawn.

## Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining

obviousness under 35 U.S.C. 103(a) are summarized as follows:

- Determining the scope and contents of the prior art.
   Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- Considering objective evidence present in the application indicating obviousness or nonobviousness.
- Claims 1, 4-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsui et al. (EP 0 777 287 A2).

Matsui et al. (abstract) disclose formula (2), where m and n are greater or equal to zero, and m and n cannot be zero at the same time, that is fully encompassing the ester F as claimed.

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$$\begin{array}{c} \operatorname{CH}_2-(\operatorname{EO}_{\mathfrak{m}}\operatorname{PO}_{\mathfrak{m}})\operatorname{COCH}=\operatorname{CH}_2 \\ | \operatorname{CH}-(\operatorname{EO}_{\mathfrak{m}}\operatorname{PO}_{\mathfrak{m}})\operatorname{COCH}=\operatorname{CH}_2 \\ | \operatorname{CH}_2-(\operatorname{EO}_{\mathfrak{m}}\operatorname{PO}_{\mathfrak{m}})\operatorname{COCH}=\operatorname{CH}_2 \end{array} \tag{2}$$

The difference between Matsui et al. and the invention of claims 1, 4-6 is that although formula (2) of Matsui et al. teach the values of m and n to be greater or equal to zero, where m and n can not be zero at the same time, which lacks the specificity of the low p1, p2, p3, m1, m2, m3, n1, n2, n3 values as claimed.

However, applicants must recognize that the teachings of Matsui et al. primarily focus on the m+n having low values as as shown in Table 1 of Matsui et al. (page 7).

Additionally, Matsui et al. (abstract) clearly indicate that a MW of less than 500 per terminal group is perferred, which correspond to a n value of about less than 5.

Table 1					
Number of ethylene oxide unit "n"	molecular weight/poly- mer group number	cycle life			
2	186.7	210			
4	274.7	238			
6	362.7	247			
8	450.7	226			
10	538.7	112			
Comparative example		103			

Therefore, since <u>m and n values are explicitly taught to be low</u> (a range from 0 to 10), it would have been obvious to one of ordinary skill in art to incorporate the low m and n values as taught in the table to obtain the invention of claims 1, 4-6, motivated by

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the expectation of success of obtaining a non-aqueous electrolyte secondary battery and to improve the interfacial characteristic between the electrolyte and the negative electrode.

 Claims 7, 10-18, 21-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsui et al. (EP 0 777 287 A2) in view of Barthold et al. (US 5,472,617).

 (Previously presented) A process for preparing an ester F of claim. I from an alkoxylated glycerol of the formula fla, Ills, or He

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wherein AO, EO, PO, n1, n2, n3, m1, m2, m3, p1, p2, and p3 are each as defined in claim 1,

and (meth)acrylic acid, comprising the steps of

- a) reacting the alknowlated giveerol with the (methiacrylic acid in the presence of at least one esterification catalyst C, at least one polymerization inhibitor D, and optionally a water-azieotroping solvent E to form the ester F.
- b) optionally removing from the reaction mixture some or all of the water formed in a), during and/or after a).
  - f) optionally neutralizing the reaction mixture.

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h) when a solvent E is used, optionally removing the solvent E by distillation; analor
i) stripping with a an oxygen-containing gas which is ment under the reaction conditions, wherein
a media excess of (meth)acrylic acid to alkoxylated glycerol is at least 3.15:1
and
the optionally neutralized (meth)acrylic acid present in the reaction mixture
after the last process step substantially remains in the reaction mixture.

Set forth from paragraph 5 of instant office action, it would have been obvious to one of ordinary skill in art to obtain the compounds as claimed.

The difference between the invention of claims 7, 10-18, 21-23 and Matsui et al. is that Matsui et al. are silent on a process for preparing the compounds disclosed in Matsui et al.

However, Barthold et al. (col. 8, line 65 to col. 9, line 40; col. 9, Table 1; col. 11, Table 3) disclose a process for preparing the compound that is very similar to the glycerol based ester F as claimed. Regarding the claimed "stripping with a gas which is inert under the reaction conditions", since Barthold et al. col. 10, line 52 to col. 11, line 2) clearly disclose the stripping of water under a nitrogen atmosphere, the examiner has a reasonable basis that the claimed "stripping with a gas which is inert under the reaction conditions" has been met by Barthold et al. Motivated by the expectation of success of obtaining the compounds of Matsui et al., and in view of the substantially similar type of reactions, it would have been obvious to one of ordinary skill in art to incorporate the preparative method of Barthold et al. to prepare the compounds of Matsui et al. to obtain the invention of claims 7, 10-18, 21-23.

The difference between the invention of claims 7, 10-18, 21-23 and Matsui et al. is that Matsui et al. do not disclose minor variations of the process as claimed.

Nevertheless, Barthold et al. (col. 8, line 65 to col. 9, line 40; col. 9, Table 1; col. 11, Table 3) have clearly disclosed a process for preparing a compound that is similar to the glycerol based ester F as claimed. Therefore, the examiner believes that it would have been obvious to one of ordinary skill in art to use "routine experimentation" technique to optimize the process of Barthold et al. to obtain the invention of claims 11-13. In re Aller, 220 F.2d 454, 456, 105 USPQ 233, 235 (CCPA 1955).

Regarding claims 14-16, Barthold et al. (col. 8, line 65 to col. 9, line 40; col. 9, Table 1; col. 11, Table 3) disclose a process for preparing the compound ester F as claimed. Further, Barthold et al. (col. 13, Table 4; col. 16-17, claim 1) clearly teach the copolymerization of the prepared compound with a methacrylic acid or acrylic acid. Barthold et al. contain all the limitations of claims 14-16. Motivated by the expectation of success of obtaining the compounds of Matsui et al., and in view of the substantially similar type of reactions, it would have been obvious to one of ordinary skill in art to incorporate the preparative method of Barthold et al. to prepare the compounds of Matsui et al.

 Claims 26, 27, 29, 30, 32-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsui et al. (EP 0 777 287 A2) in view of Barthold et al. (US 5.472.617).

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 (Previously presented) A crosslinked hydrogel of claim 14 having a suponification index of less than 11.

Set forth from paragraph 5 of instant office action, it would have been obvious to one of ordinary skill in art to obtain the compounds as claimed. Regarding the claimed "crosslinked gel" feature, Matsui et al. (abstract) clearly disclose a gel electrolyte. In view of the substantially identical multifunctional compound as claimed and as disclosed in Matsui et al., the examiner has a reasonable basis to believe that the claimed "crosslinked" feature is inherently possessed in the compounds of Matsui et al.

The difference between the invention of claims 26, 27, 29, 30, 32-34 and Matsui et al. is that Matsui et al. do not disclose the level of saponification (or index) as claimed.

Barthold et al. (col. 8, line 65 to col. 9, line 40; col. 9, Table 1; col. 11, Table 3) disclose a process for preparing the compound ester F as claimed. Further, Barthold et al. (col. 13, Table 4; col. 16-17, claim 1) clearly teach the copolymerization of the prepared compound with a methacrylic acid or acrylic acid. Barthold et al.

Although the main teachings of Barthold et al. is prepared a resin as oil demulsifiers for the rapid dehydration of crude oil (col. 1, line 10-15), Barthold et al. (col. 1, line 52-62) teach that all these disclosed resin can be easily gelled. Since Barthold et al. (col. 18, claims 6, 10) disclose that the composition can comprise water ranging from 1 to 99 %, the examiner has a reasonable basis that the claimed "diluent" has been met by Barthold et al. Further, since the composition of Barthold et al. can be in the form of a

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gel and contain water, the examiner has a reasonable basis that the claimed hydrogel feature has been met by Barthold et al.

Regarding the claimed saponification indexes, in view of the substantially identical composition of Barthod et al. and the composition as claimed, the examiner has a reasonable basis that the claimed saponification indexes are inherently possessed in Barthold et al. Since the PTO does not have proper means to conduct experiments, the burden of proof is now shifted to applicants to show otherwise. In re Best, 562 F.2d 1252, 195 USPQ 430 (CCPA 1977); In re Fitzgerald, 205 USPQ 594 (CCPA 1980).

Motivated by the expectation of success of obtaining the compounds of Matsui et al., and in view of the substantially similar type of reactions, it would have been obvious to one of ordinary skill in art to incorporate the saponification index teachings of Barthold et al. into Matsui et al. to obtain the invention as claimed.

## Response to Argument

Applicant's arguments filed October 31, 2008 have been fully considered but they are not persuasive.

Regarding the rejection of Claims 1, 4-6 with Matsui et al. (EP 0 777 287 A2), applicants argue that the broad range teachings in Matsui et al. do not have sufficient specificity to set forth a 102b rejection because applicants argue that Matsui et al. do not teach an upper limit for the sum of m+n disclosed in Matsui et al. Therefore, applicants argue that there are infinite number of possibilities from the teachings of

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Matsui et al. However, the examiner disagrees because every point disclosed in the range taught in Matsui et al. is adequate for a 102b rejection. Further, applicants fail to recognize that the teachings of Matsui et al. primarily focus on the m+n having low values as can be indicated by the Table 1 of Matsui et al. (page 7). Therefore, since m and n values are explicitly taught to be low (a range from 0 to 10), the examiner has a reasonable basis to issue the new 103 rejection set forth.

Number of ethylene oxide unit "n"	molecular weight/poly- mer group number	cycle life
2	186.7	210
4	274.7	238
6	362.7	247
8	450.7	226
10	538.7	112
Comparative example		103

Applicants further argue that the claimed invention is not considered obvious in view of the unexpected results presented in the specification (page 51-52, Table 1 and 2). However, applicants must recognize that the comparative data are not commensurate to the scope of the claimed invention because the claimed invention is much broader than the scope encompassed by comparative data.

Regarding the rejection of Claims 7, 10 under 35 U.S.C. 102(b) as being anticipated by Barthold et al. (US 5,472,617), applicants argue that the stripping process as disclosed in Barthold et al. is different from the process as taught in

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applicants' specification (page 22, lines 14-20; page 21, line 24 to page 22, line 12). However, applicants must recognize that although the claims are interpreted in light of the specification, the specification can not be read into the claims. Therefore, applicants' argument relating to the stripping step is not supported by the claims as written. Regarding applicants' argument that the specification indicates that the oxygen containing gas contains a compound like MEHQ, the argument is not supported by the claims as written.

Regarding applicants' argument that the blanketing with an oxygen containing gas of Barthold et al. does not equate to stripping, applicants fail to recognize that blanking or stripping, both require an oxygen containing gas to be passed through the reactants, which can carries some of the reaction contents in the process. Therefore, the examiner has a reasonable basis to maintain that blanketing and stripping are functionally equivalent in the teachings of Barthold et al.

Regarding applicants' argument that Barthold et al. fail to teach the claimed molar excess of methacrylic acid to alkoxylated glycol of at least 3.15:1 because Barthold et al. (col. 4, line 63 to col. 5, line 1) only teach a molar ratio of 1:1, the examiner disagrees. Applicants fail to recognize that Barthold et al. (col. 5, line 13-16) clearly disclose the ratio as claimed. Applicants fail to recognize that Barthold et al. clearly teach the molar ratio of methacrylic acid to oxyalkylated alcohol to range from n:1 to 1:1, where n is the number of hydroxyl groups of the starting alcohol.

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In order to prevent polymerization during the esterification, it is advisable to use stabilizers which are known per se (preferably hydroquinone monomethyl ether). The ratio of the oxyalkylated alcohol to acrylic acid or methacrylic acid os may be varied from 1:1 to 1:n, where n is the functionality (ie. the number of hydroxyl groups) of the starting alcohol. A ratio of 1:1 is preferred, since otherwise gelling may be

observed during the subsequent polymerization. Complete esterification of the acrylic acid or methacrylic acid is advantageously monitored by analytical methods (eg. the acid number). The amount of stabilizer varies from 0.3 to 2% by weight and is preferably 1% by weight, the percentages being based on the amount of acrylic acid or methacrylic acid. The acid catalyst is added in an amount from 0.5 to 5, preferably from 2 to 3%, by weight. Equally good esterification results are obtained by using acrylic anhydride or methacrylic anhydride and acryloyl chloride or methacrylic loyl chloride. In this procedure, removal of the water by azeotropic distillation is dispensed with.

Regarding applicants' argument that a preferred ratio of 1:1 is preferred in Barthold et al., applicants fail to recognize that the non-preferable embodiment, Barthold et al. (col. 3, line 50-52) clearly disclose that n can be as 3, 5 or higher, in view of the explicit teachings of oxyalkylated alcohol prepared from trimethylopropane (n=3), pentaerythrotriol (n=5), sorbitol, polyglycerol. Therefore, the examiner has reasonable basis to maintain the rejection set forth.

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The oxyalkylated alcohols are prepared in a conventional manner by reacting the monofunctional or multifunctional alcohol with an alkoxyide or a mixture of several alkoxides or blocks of several alkoxides, using a basic catalyst at from 80° to 160° C. Examples of suitable alcohols are ethanol, butanol, isopropanol, tallow fatty alcohol, stearyl alcohol, alkylinhenols of the general formula

where R is, for example,  $C_9H_{19}$ ,  $CH_3$ ,  $CH(CH_3)_2$ ,  $C(CH_3)_3$  or  $C_8H_{17}$ , ethylene glycol, propylene glycol, bisphenol A, 50 glycerol, trimethylolpropane, pentacrythritol, sorbitol, polyglycerol or the alkylphenol/formaldehyde or acetaldehyde condensates described below.

Regarding applicants' argument that claims 11-13 under 35 U.S.C. 103(a) as being unpatentable over Barthold et al. (US 5,472,617), applicants (starting from page 24 of the brief) argue that the examiner fails to considered the teachings of Barthold et al. as a whole when considering the "routine experimentation" rationale set forth. However, applicants fail to recognize that the examiner fail to recognize that rationale set forth for the rejection for claims 7, 10 also applied to the rejection of claims 11-13.

Regarding applicants' argument that Barthold et al. fails to teach the molar excess of methacrylic acid in the reaction mixture, applicants fail to recognize that Barthold et al. (col. 3, line 50-52) clearly disclose that n can be as 3, 5 or higher, in view of the explicit teachings of oxyalkylated alcohol prepared from trimethylopropane (n=3), pentaerythrotriol (n=5), sorbitol, polyglycerol, which clearly teach the systematic

increase of methacrylic acid as the n value increases. Therefore, it would have been obvious to one of ordinary skill in art to use an molar excess amount of methacrylic acid as the n values continues to increase. As for the applicants' argument that Barthold et al. teach away from the molar excess of methacrylic acid, applicants must recognize that the teachings of "polyglyceol" in Barthold (col. 3, line 50-52) clearly indicate that n is a number that can be optimized through "routine experimentation", motivated by the expectation of success of obtaining the invention of Barthold et al. Since the acid number values are also dependent on the amount methacrylic acid incorporated, the examiner has a reasonable basis to group the rejection of claims 11-12 with 13.

Regarding applicants' argument that why would a person skilled in art strip a solvent from a reaction of the entire time of the reaction proceeding, applicants fail to recognize that stripping of a solvent from a reaction in Barthold et al. is unintentional. Rather, the stripping procedure in Barthold et al. is a result of the step of blanketing a reaction. Although the intentions may be different when comparing Barthold et al. when comparing to the invention as claimed, however, the end results are still stripping.

Regarding applicants' argument that the recited "oxygen-containing gas" means a gas containing  $O_2$  according to the specification (page 22, line 34-35), applicants must recognize that recitation fails to limit oxygen compound to be  $O_2$  gas. Applicants must also recognize that the recitation also include water as an oxygen containing compound.

Regarding the rejection of claims 14-16, 26, 27, 29, 30, 32-34 as being anticipated by Barthold et al., applicants argue that Barthold et al. fail to disclose a crosslinked hydrogel having a saponification index of less than 11 (claim 26), less than

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8 (claim 32), or less than 5 (claim 33). Applicants also argue that Barthold et al. fail to disclose a crosslinked hydrogel having a reduced crosslinker content of less than 10 ppm (claim 27) or less than 5 ppm (claim 34). However, such minor variation is considered obvious in view of the teachings of Matsui et al. and Barthold et al.

Regarding "postcrosslinking", Barthold et al. (col. 7, line 37-50; col. 15. line 41-54) clearly teach a postcrosslinking process. Regarding "drying", Barthold et al. (col. 8, line 55-61; col. 15, line 55-65) clearly disclose a method of rapid removal of water (drying). Regarding applicants' argument that Barthold et al. only teach blanketing with nitrogen, however, applicants fail to recognize that the method disclosed in Barthold et al. still involve passing an inert gas on or over the reactants, which can also function to strip solvents. Regarding the argued "oxygen containing gas", applicants must recognize that the recitation does not specify the location of the oxygen in the gas. Since the polymerization mixture contain methacrylic acid (an oxygen containing compound) that can be stipped or purged by the disclosed nitrogen gas, the examiner has a reasonable basis to believe that the nitrogen gas of Barthold et al. contain an oxygen containing compound (methacrylic acid). Regarding the molar excess of methacrylic acid to alkoxylated glycol of 3.15:1, Barthold et al. (col 4, line 65) clearly disclose that the methacrylic acid to glycol ranges from 1:1 to 3:1 for n=3. Since Barthold et al. (col. 4, line 67 to col. col. 5, line 1) clearly indicate that it is not desirable to have gelling occured, it would not be difficult to one of ordinary skill in art to recognize and to use an excessive amount of methacrylic acid to prevent the gelling caused by the multfunctional alcohol.

Regarding applicants' argument to the advisory action of February 12, 2008, applicants argue that the postcrosslinking process of Barthold et al. (col. 15, lines 41-45) is a viscous solution, applicants must recognize that the claims as written do not exclude a viscous solution.

Regarding applicants' argument that Barthold et al. is different from the postcrosslinking recited in the claims because the crosslinking as claimed only crosslinke the surfaces of the hydrogel, applicants must recognize that the claims as written does not restrict the inner part of the hydrogel not to be crosslinked. As long as the surface of the hydrogel has been taught to be crosslinked in Barthold et al., the rejection set forth is proper.

Regarding applicants' argument that the Barthold et al. (col. 8, line 55-61; col. 15, line 55-65) teach a drying step, which involves the copolymer to be demulsify and water "separated off", that is different from the one as claimed, applicants must recognize that the the argued differences are not supported by the claims as written.

Regarding applicants' argument the the resins of Barthold et al. do not gel, the examiner disagrees because Barthold et al. has (col. 7, line 14) clearly indicated that the disclosed materials have the tendency to gel, it would not be difficult to one of ordinary skill in art to recognize that the disclosed materials can form a gel or hydrogel.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William K. Cheung whose telephone number is (571)

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272-1097. The examiner can normally be reached on Monday-Friday 9:00AM to

2:00PM; 4:00PM to 8:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David WU can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William K Cheung/ Primary Examiner, Art Unit 1796

William K. Cheung, Ph. D. Primary Examiner January 13, 2009